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-27-

**ABSTRACT**

5 A method of searching for a predefined code in a bit stream, the method  
comprising initiating a first search for correlation of the bit stream with a  
reference code applied to the bit stream at a first plurality of different times  
according to a first resolution to produce a first set of correlation values and  
associated times. Then a second search is initiated for correlation of the bit  
stream with the reference code applied to the bit stream at a second plurality  
10 of different times to produce a second set of correlation values and associated  
times, the reference code being offset in time from a maximal correlation  
value of the first set such that the reference code is applied to the bit stream  
at times other than times of the first plurality. Then, out of the first and the  
second sets a maximal correlation value is selected for use in calculating a  
strength of the predefined code in the bit stream.

15